

Application No. 10/550,017
Amendment dated: April 9, 2007
Reply to Office Action of January 8, 2007

Docket No.: 1155-0286PUS1
Art Unit 1713

ABSTRACT OF THE DISCLOSURE

A propylene/1-butene random copolymer containing 60 to 90 mol% of propylene units and 10 to 40 mol% of 1-butene units and has a triad isotacticity of not less than 85% and not more than 97.5 %, a molecular weight distribution of from 1 to 3, an intrinsic viscosity of from 0.1 to 12 dl/g, a melting point of from 40 to 75°C and a crystallization rate at 45°C of 10 minutes or less, and satisfying the following relation, $146 \exp (-0.022M) \geq T_m \geq 125 \exp (-0.032M)$, and an olefin catalyst for preparation thereof.